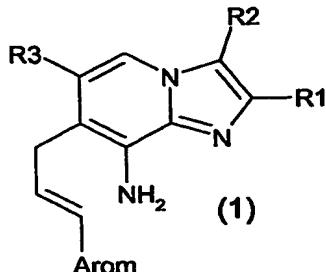


We claim

1. A compound of the formula 1



where

R1 is hydrogen, 1-4C-alkyl, 3-7C-cycloalkyl, 3-7C-cycloalkyl-1-4C-alkyl, 1-4C-alkoxy-1-4C-alkyl, 1-4C-alkoxycarbonyl, 2-4C-alkenyl, fluoro-1-4C-alkyl or hydroxy-1-4C-alkyl,

R2 is hydrogen, 1-4C-alkyl, 3-7C-cycloalkyl, 3-7C-cycloalkyl-1-4C-alkyl, 1-4C-alkoxycarbonyl, hydroxy-1-4C-alkyl, halogen, 2-4C-alkenyl, 2-4C-alkynyl, fluoro-1-4C-alkyl or cyanomethyl,

R3 is halogen, hydroxy-1-4C-alkyl, 1-4C-alkoxy-1-4C-alkyl, 1-4C-alkoxy-1-4C-alkoxy-1-4C-alkyl, 1-4C-alkoxycarbonyl, fluoro-1-4C-alkoxy-1-4C-alkyl or the radical -CO-NR31R32,

where

R31 is hydrogen, 1-7C-alkyl, hydroxy-1-4C-alkyl, 3-7C-cycloalkyl, 1-4C-alkoxy-1-4C-alkyl and

R32 is hydrogen, 1-7C-alkyl, hydroxy-1-4C-alkyl, 3-7C-cycloalkyl or 1-4C-alkoxy-1-4C-alkyl, or where

R31 and R32 together and including the nitrogen atom to which they are attached form a pyrrolidino, piperidino or morpholino radical

Arom is a R4-, R5-, R6- and R7-substituted mono- or bicyclic aromatic radical selected from the group consisting of phenyl, naphthyl, pyrrolyl, pyrazolyl, imidazolyl, 1,2,3-triazolyl, indolyl, benzimidazolyl, furanyl (furyl), benzofuranyl (benzofuryl), thiophenyl (thienyl), benzothiophenyl (benzothienyl), thiazolyl, isoxazolyl, pyridinyl, pyrimidinyl, quinolinyl and isoquinolinyl,

where

R4 is hydrogen, 1-4C-alkyl, hydroxy-1-4C-alkyl, 1-4C-alkoxy, 2-4C-alkenyl, carboxyl, 1-4C-alkoxycarbonyl, carboxy-1-4C-alkyl, halogen, hydroxyl, aryl, aryl-1-4C-alkyl, aryloxy, aryl-1-4C-alkoxy, trifluoromethyl, nitro, amino, mono- or di-1-4C-alkylamino or sulfonyl,

R5 is hydrogen, 1-4C-alkyl, 1-4C-alkoxy, 1-4C-alkoxycarbonyl, halogen, trifluoromethyl or hydroxyl,

R6 is hydrogen, 1-4C-alkyl or halogen and

R7 is hydrogen, 1-4C-alkyl or halogen,

where

aryl is phenyl or substituted phenyl having one, two or three identical or different substituents from the group consisting of 1-4C-alkyl, 1-4C-alkoxy, carboxyl, halogen, trifluoromethyl, nitro, trifluoromethoxy, hydroxyl and cyano,

and its salts.

2. A compound of the formula 1 as claimed in claim 1, in which

R1 is hydrogen, 1-4C-alkyl, 3-7C-cycloalkyl, 3-7C-cycloalkyl-1-4C-alkyl, 1-4C-alkoxy-1-4C-alkyl, 1-4C-alkoxycarbonyl, 2-4C-alkenyl, fluoro-1-4C-alkyl or hydroxy-1-4C-alkyl,

R2 is hydrogen, 1-4C-alkyl, 3-7C-cycloalkyl, 3-7C-cycloalkyl-1-4C-alkyl, 1-4C-alkoxycarbonyl, hydroxy-1-4C-alkyl, halogen, 2-4C-alkenyl, 2-4C-alkynyl, fluoro-1-4C-alkyl or cyanomethyl,

R3 is halogen, hydroxy-1-4C-alkyl, 1-4C-alkoxy-1-4C-alkyl, 1-4C-alkoxy-1-4C-alkoxy-1-4C-alkyl, 1-4C-alkoxycarbonyl, fluoro-1-4C-alkoxy-1-4C-alkyl or the radical -CO-NR31R32,

where

R31 is hydrogen, 1-7C-alkyl, hydroxy-1-4C-alkyl or 1-4C-alkoxy-1-4C-alkyl and

R32 is hydrogen, 1-7C-alkyl, hydroxy-1-4C-alkyl or 1-4C-alkoxy-1-4C-alkyl,

or where

R31 and R32 together and including the nitrogen atom to which they are attached form a pyrrolidino, piperidino or morpholino radical

Arom is a R4-, R5-, R6- and R7-substituted mono- or bicyclic aromatic radical selected from the group

consisting of phenyl, naphthyl, pyrrolyl, pyrazolyl, imidazolyl, 1,2,3-triazolyl, indolyl, benzimidazolyl, furanyl (furyl), benzofuranyl (benzofuryl), thiophenyl (thienyl), benzothiophenyl (benzothienyl), thiazolyl, isoxazolyl, pyridinyl, pyrimidinyl, quinolinyl and isoquinolinyl,

where

R4 is hydrogen, 1-4C-alkyl, hydroxy-1-4C-alkyl, 1-4C-alkoxy, 2-4C-alkenyloxy, carboxyl, 1-4C-alkoxycarbonyl, carboxy-1-4C-alkyl, halogen, hydroxyl, aryl, aryl-1-4C-alkyl, aryloxy, aryl-1-4C-alkoxy, trifluoromethyl, nitro, amino, mono- or di-1-4C-alkylamino or sulfonyl,

R5 is hydrogen, 1-4C-alkyl, 1-4C-alkoxy, 1-4C-alkoxycarbonyl, halogen, trifluoromethyl or hydroxyl,

R6 is hydrogen, 1-4C-alkyl or halogen and

R7 is hydrogen, 1-4C-alkyl or halogen,

where

aryl is phenyl or substituted phenyl having one, two or three identical or different substituents from the group consisting of 1-4C-alkyl, 1-4C-alkoxy, carboxyl, halogen, trifluoromethyl, nitro, trifluoromethoxy, hydroxyl and cyano,

and its salts.

3. A compound of the formula 1 as claimed in claim 1, in which

R1 is 1-4C-alkyl,

R2 is 1-4C-alkyl,

R3 is halogen, 1-4C-alkoxycarbonyl, or the radical -CO-NR31R32,

where

R31 is hydrogen, 1-4C-alkyl, hydroxy-1-4C-alkyl or 1-4C-alkoxy-1-4C-alkyl and

R32 is hydrogen, 1-4C-alkyl, hydroxy-1-4C-alkyl or 1-4C-alkoxy-1-4C-alkyl,

or where

R31 and R32 together and including the nitrogen atom to which they are attached form a pyrrolidino radical

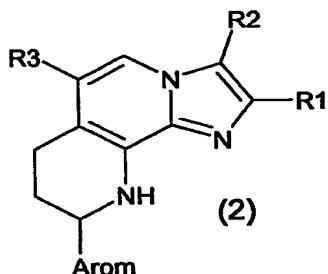
Arom is phenyl,
and its salts.

4. A compound of the formula 1 as claimed in claim 1, in which

- R1 is 1-4C-alkyl,
- R2 is 1-4C-alkyl,
- R3 is halogen or 1-4C-alkoxycarbonyl,

Arom is phenyl,
and its salts.

5. A compound of the formula 2



selected from the group consisting of

2,3-Dimethyl-8-phenyl-6,7,8,9-tetrahydro-1,3a,9-triaza-cyclopenta[a]naphthalene-5-carboxylic acid-(2-methoxy-ethyl)-amide,

2,3-Dimethyl-8-phenyl-6,7,8,9-tetrahydro-1,3a,9-triaza-cyclopenta[a]naphthalene-5-carboxylic Acid

Ethyl Ester,

2,3-Dimethyl-8-phenyl-6,7,8,9-tetrahydro-1,3a,9-triaza-cyclopenta[a]naphthalene-5-carboxylic Acid

Methylamide,

2,3-Dimethyl-8-phenyl-6,7,8,9-tetrahydro-1,3a,9-triaza-cyclopenta[a]naphthalene-5-carboxylic Acid (2-Hydroxy-ethyl)-amide,

2,3-Dimethyl-8-phenyl-6,7,8,9-tetrahydro-1,3a,9-triaza-cyclopenta[a]naphthalene-5-carboxylic Acid

Dimethylamide

2,3-Dimethyl-8-phenyl-6,7,8,9-tetrahydro-1,3a,9-triaza-cyclopenta[a]naphthalene-5-carboxylic Acid

Amide

1-(2,3-Dimethyl-8-phenyl-6,7,8,9-tetrahydro-1,3a,9-triaza-cyclopenta[a]naphthalen-5-yl)-1-morpholin-4-yl-methanone,

1-(2,3-Dimethyl-8-phenyl-6,7,8,9-tetrahydro-1,3a,9-triaza-cyclopenta[a]naphthalen-5-yl)-1-pyrrolidin-1-yl-methanone,

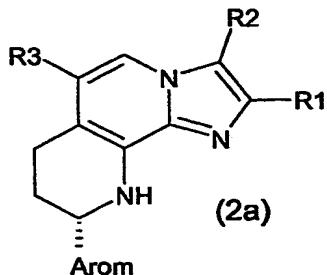
(2,3-Dimethyl-8-phenyl-6,7,8,9-tetrahydro-1,3a,9-triaza-cyclopenta[a]naphthalen-5-yl)-methanol,

2,3-Dimethyl-8-phenyl-6,7,8,9-tetrahydro-1,3a,9-triaza-cyclopenta[a]naphthalene-5-carboxylic Acid

Cyclopropylamide,

and its salts.

6. A compound of the formula 2a



in which

R1 is hydrogen, 1-4C-alkyl, 3-7C-cycloalkyl, 3-7C-cycloalkyl-1-4C-alkyl, 1-4C-alkoxy-1-4C-alkyl, 1-4C-alkoxycarbonyl, 2-4C-alkenyl, fluoro-1-4C-alkyl or hydroxy-1-4C-alkyl,

R2 is hydrogen, 1-4C-alkyl, 3-7C-cycloalkyl, 3-7C-cycloalkyl-1-4C-alkyl, 1-4C-alkoxycarbonyl, hydroxy-1-4C-alkyl, halogen, 2-4C-alkenyl, 2-4C-alkynyl, fluoro-1-4C-alkyl or cyanomethyl,

R3 is halogen, hydroxy-1-4C-alkyl, 1-4C-alkoxy-1-4C-alkyl, 1-4C-alkoxy-1-4C-alkoxy-1-4C-alkyl, 1-4C-alkoxycarbonyl, fluoro-1-4C-alkoxy-1-4C-alkyl or the radical -CO-NR31R32, where

R31 is hydrogen, 1-7C-alkyl, hydroxy-1-4C-alkyl, 3-7C-cycloalkyl, 1-4C-alkoxy-1-4C-alkyl and

R32 is hydrogen, 1-7C-alkyl, hydroxy-1-4C-alkyl, 3-7C-cycloalkyl or 1-4C-alkoxy-1-4C-alkyl, or where

R31 and R32 together and including the nitrogen atom to which they are attached form a pyrrolidino, piperidino or morpholino radical

Arom is a R4-, R5-, R6- and R7-substituted mono- or bicyclic aromatic radical selected from the group consisting of phenyl, naphthyl, pyrrolyl, pyrazolyl, imidazolyl, 1,2,3-triazolyl, indolyl, benzimidazolyl, furanyl (furyl), benzofuranyl (benzofuryl), thiophenyl (thienyl), benzothiophenyl (benzothienyl), thiazolyl, isoxazolyl, pyridinyl, pyrimidinyl, quinolinyl and isoquinolinyl, where

R4 is hydrogen, 1-4C-alkyl, hydroxy-1-4C-alkyl, 1-4C-alkoxy, 2-4C-alkenyloxy, carboxyl, 1-4C-alkoxycarbonyl, carboxy-1-4C-alkyl, halogen, hydroxyl, aryl, aryl-1-4C-alkyl, aryloxy, aryl-1-4C-alkoxy, trifluoromethyl, nitro, amino, mono- or di-1-4C-alkylamino or sulfonyl,

R5 is hydrogen, 1-4C-alkyl, 1-4C-alkoxy, 1-4C-alkoxycarbonyl, halogen, trifluoromethyl or hydroxyl,

R6 is hydrogen, 1-4C-alkyl or halogen and

R7 is hydrogen, 1-4C-alkyl or halogen,

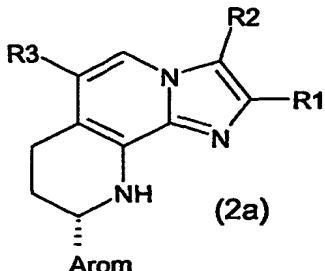
where

aryl is phenyl or substituted phenyl having one, two or three identical or different substituents

from the group consisting of 1-4C-alkyl, 1-4C-alkoxy, carboxyl, halogen, trifluoromethyl, nitro, trifluoromethoxy, hydroxyl and cyano,

and its salts.

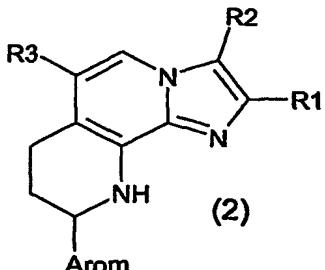
7. A compound of the formula 2a



selected from the group consisting of

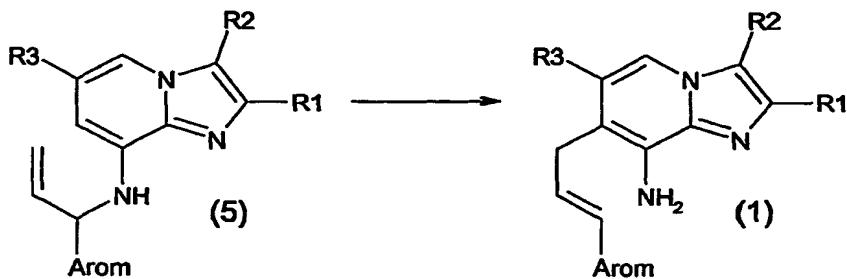
- (8S)-2,3-Dimethyl-8-phenyl-6,7,8,9-tetrahydro-1,3a,9-triaza-cyclopenta[a]naphthalene-5-carboxylic acid-(2-methoxy-ethyl)-amide,
- (8S)-2,3-Dimethyl-8-phenyl-6,7,8,9-tetrahydro-1,3a,9-triaza-cyclopenta[a]naphthalene-5-carboxylic Acid Ethyl Ester,
- (8S)-2,3-Dimethyl-8-phenyl-6,7,8,9-tetrahydro-1,3a,9-triaza-cyclopenta[a]naphthalene-5-carboxylic Acid Methylamide,
- (8S)-2,3-Dimethyl-8-phenyl-6,7,8,9-tetrahydro-1,3a,9-triaza-cyclopenta[a]naphthalene-5-carboxylic Acid (2-Hydroxy-ethyl)-amide,
- (8S)-2,3-Dimethyl-8-phenyl-6,7,8,9-tetrahydro-1,3a,9-triaza-cyclopenta[a]naphthalene-5-carboxylic Acid Dimethylamide
- (8S)-2,3-Dimethyl-8-phenyl-6,7,8,9-tetrahydro-1,3a,9-triaza-cyclopenta[a]naphthalene-5-carboxylic Acid Amide
- (8S)-1-(2,3-Dimethyl-8-phenyl-6,7,8,9-tetrahydro-1,3a,9-triaza-cyclopenta[a]naphthalen-5-yl)-1-morpholin-4-yl-methanone
- (8S)-1-(2,3-Dimethyl-8-phenyl-6,7,8,9-tetrahydro-1,3a,9-triaza-cyclopenta[a]naphthalen-5-yl)-1-pyrrolidin-1-yl-methanone
- (8S)-(2,3-Dimethyl-8-phenyl-6,7,8,9-tetrahydro-1,3a,9-triaza-cyclopenta[a]naphthalen-5-yl)-methanol
- (8S)-2,3-Dimethyl-8-phenyl-6,7,8,9-tetrahydro-1,3a,9-triaza-cyclopenta[a]naphthalene-5-carboxylic Acid Cyclopropylamide
- and its salts.

8. A process for the synthesis of a compound of the formula 2,



in which R1, R2, R3 and Arom have the meanings as in claim 1, which comprises the conversion of a compound of the formula 1 as claimed in claim 1 into a compound of the formula 2, followed, if desired, by further derivatization of the resulting compound of the formula 2 into another compound of the formula 2.

9. A process for the synthesis of a compound of the formula 1 as claimed in claim 1, which comprises the conversion of a compound of the formula 5, in which R1, R2, R3 and Arom have the meanings as indicated in claim 1, into the corresponding compound of the formula 1, followed, if desired, by further derivatization of the resulting compound of the formula 1 into another compound of the formula 1.



10. A medicament comprising a compound as claimed in claim 5, claim 6 or claim 7 and/or a pharmacologically acceptable salt thereof together with customary pharmaceutical auxiliaries and/or excipients.

11. The use of a compound as claimed in claim 5, claim 6 or claim 7 and/or its pharmacologically acceptable salts for the prevention and treatment of gastrointestinal disorders.